Activity 1

1. Start
2. Get an unspecified number
3. Get the input
4. While number is not 0
5. If number > 0
   * 1. It is positive
6. Else
   * 1. Its negative
7. Calculate total +=number
8. Increment loop
9. Get another input from user
10. Display positive counts
11. Display negative counts
12. Display sum of total inputs
13. Average of sum of total inputs
14. End

Activity 2

1. Start.
2. Initialise kilogram with value 1.
3. while (kg<200)

3.1.Calculate pounds = (float) (kg\*2.2)

3.2.Display kilogram and pounds

1. end\_while
2. End.

Activity 3

1. Start.
2. Get num1
3. Get num2
4. while(num1 >num2)
5. end while
6. display message “incorrect! Please enter again your integer again”
7. while(x < num2)
8. if(x %2 != 0)
9. it is odd number
10. end\_if
11. while (x < num2)
12. if(num 1%2 = 0)
13. it is odd number
14. end\_if
15. end\_while
16. Display odd number
17. Display even number
18. End

Activity 4

1. Start.
2. Declare year with data type int and initialize year with value 1.
3. while (year < 4)
4. Calculate tuition\_fee \*= 1.05
5. Display year and tuition\_fee
6. Calculate fee \*= 1.05\*10
7. end\_while
8. Display year and tuition\_fee
9. Display first\_4\_years
10. Display after fees after 10 years
11. End.

Activity 5

1. Start.
2. Declare variable buildings, apartment, month and day\_amount with data type int

and initialize all of those four variables with value 1 except for day

1. which is initialized with value 0.
2. while (building<=20)
3. while (apartment <=15)
4. while (month<=12)
5. Display "------------------------------------"
6. Display "Payment Coupon for "
7. CASE month of
   * 1. 1 : Display “January”
        1. Day=31.
        2. Break
     2. 2 : Display “February”
        1. Day=28.
        2. Break
     3. 3 : Display “March”
        1. Day=31.
        2. Break
        3. 4 : Display “April”
        4. Day=30.
        5. Break
     4. 5 : Display “May”
        1. Day=31.
        2. Break
     5. 6 : Display “June”
        1. Day=30.
        2. Break
     6. 7 : Display “July”
        1. Day=31.
        2. Break
     7. 8 : Display “August”
        1. Day=31.
        2. Break
     8. 9 : Display “September”
        1. Day=30
        2. Break
     9. 10 : Display “October”
        1. Day=31.
        2. Break
     10. 11 : Display “November”
         1. Day=30
         2. Break
     11. 12 : Display “December”
         1. Day=31.
         2. Break
     12. ENDCASE
8. Display building and apartment.
9. Display “Amount of rent : RM800.00”
10. Display day and month
11. Calculate month = month + 1
12. end\_while
13. Calculate apartment = apartment + 1
14. end\_while
15. Calculate building = building + 1
16. end\_while
17. End.

Activity 2

1. Start
2. Get integers
3. Read digits individually
4. display all the digits
5. Calculate the sum of all the digits
6. Display the sum of all digits
7. End

Activity 3

1. Start
2. User input an integer number
3. For pattern I
   * 1. i=1; i<=rows; i++
     2. For j=0; j<=i; j++
     3. Display pattern+j
4. For pattern II
   * 1. i=rows-1; i>=0; i--)
     2. num=1;
     3. for(j=0; j<=i; j++)
     4. Display pattern + j
5. For patern III
   * 1. for (i = num - 1; i >= 0; i--)
     2. for (k = i; k >= 1; k--)
     3. for (j = num - i; j >= 1; j--) {
     4. display pattern+j
6. for pattern IV
   * 1. for(i=1; i<=rows; i++)
     2. num = 1
     3. for(j=1; j<=i; j++)
     4. for(j=i; j<=rows; j++)
     5. display num++
7. end